

CLAIM AMENDMENT

Please amend the claims as indicated below:

1-9. (Canceled)

10. (Currently amended) An isolated nucleic acid sequence comprising a coding sequence, wherein the coding sequence comprises a polynucleotide selected from the group consisting of: a) an isolated polynucleotide encoding a polypeptide of SEQ ID NO: 5; b) an isolated polynucleotide comprising the nucleic acid sequence of SEQ ID NO: 4; c) an isolated polynucleotide having at least 80% sequence identity with the nucleic acid sequence of SEQ ID NO: 4; d) an isolated polynucleotide having at least 90% sequence identity with the nucleic acid sequence of SEQ ID NO: 4; e) an isolated polynucleotide having at least 95% sequence identity with the nucleic acid sequence of SEQ ID NO: 4; f) an isolated polynucleotide complementary to a polynucleotide of (a), (b), (c), (d), or (e); and g) an isolated polynucleotide that hybridizes under conditions of 5X SSC, 50% formamide and 42° C to the nucleic acid sequence of SEQ ID NO: 4, wherein the coding sequence encodes a plant lecithin: cholesterol acyltransferase-like polypeptide, and wherein the isolated nucleic acid coding sequence is operably linked to a heterologous regulatory sequence functional in plants.

11-21. (Canceled)

22. (Previously presented) A recombinant nucleic acid construct comprising a heterologous regulatory sequence operably linked to the polynucleotide of claim 10 further comprising a termination sequence.

23-27. (Canceled)

28. (Original) The recombinant construct of claim 22, wherein said regulatory sequence is functional in a plant cell.

29-31. (Canceled)

32. (Previously presented) The recombinant construct of claim 22 wherein said polynucleotide comprises SEQ ID NO: 4.

33. (Canceled)

34. (Original) The recombinant construct of claim 22, wherein said regulatory sequence comprises a constitutive promoter.

35. (Canceled)

36. (Original) The recombinant construct of claim 22, wherein said regulatory sequence comprises an inducible promoter.

37. (Canceled)

38. (Original) The recombinant construct of claim 22, wherein said regulatory sequence is selected from the group consisting of a tissue specific promoter, a developmentally regulated promoter, an organelle specific promoter, and a seed specific promoter.

39. (Canceled)

40. (Previously presented) A host cell containing the recombinant construct of claim 22.

41. (Previously presented) The host cell of claim 40, wherein said host cell is selected from the group consisting of plant cells and bacteriophage.

42. (Original) The host cell of claim 40, wherein said host cell is a plant cell.

43. (Currently Amended) The host cell of claim 40, wherein said host cell expresses [[a]] the polypeptide encoded by [[the]] said recombinant construct of claim 22.

44. (Canceled)

45. (Original) A plant comprising at least one host cell of claim 40.

46. (Currently amended) A progeny plant of the plant of claim 45, wherein the progeny contains [[the]] said recombinant construct of claim 22.

47. (Currently amended) A seed from the plant of claim 45, wherein the seed contains [[the]] said recombinant construct of claim 22.

48. (Previously presented) A plant comprising the recombinant construct of claim 22.
49. (Currently amended) The progeny of [[a]] the plant of claim 48, wherein the progeny contain [[the]] said recombinant construct of claim 22.
50. (Currently amended) A seed from the plant of claim 48, wherein the seed contains [[the]] said recombinant construct of claim 22.

51-106.(Canceled)

107. (Previously presented) A plant comprising a recombinant construct containing a heterologous regulatory sequence operably linked to a polynucleotide selected from the group consisting of: a) an isolated polynucleotide encoding a polypeptide of SEQ ID NO: 5 b) SEQ ID NO: 4; c) an isolated polynucleotide having at least 80% sequence identity with SEQ ID NO: 4; d) an isolated polynucleotide having at least 90% sequence identity with SEQ ID NO: 4; e) an isolated polynucleotide having at least 95% sequence identity with SEQ ID NO: 4; f) an isolated polynucleotide complementary to a polynucleotide of (a), (b), (c), (d), or (e); and g) an isolated polynucleotide that hybridizes under conditions of 5X SSC, 50% formamide and 42° C to SEQ ID NO: 4, wherein expression of said recombinant construct results in an altered production of oil by said plant as compared to the same plant without said recombinant construct.

108-110. (Canceled)

111. (Original) The plant of claim 107, wherein said oil production is increased.

112. (Canceled)

113. (Previously presented) The plant of claim 107, wherein said polynucleotide comprises SEQ ID NO: 4.

114. (Canceled)

115. (Original) The plant of claim 107, wherein said regulatory sequence is a tissue specific promoter.

116. (Canceled)

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[REDACTED]

117. (Original) The plant of claim 107, wherein said regulatory sequence is a seed specific promoter.

118-120. (Canceled)

121. (Previously presented) The isolated nucleic acid of claim 10, wherein the nucleic acid sequence comprises the nucleic acid sequence of SEQ ID NO:4.

122. (Previously presented) The isolated nucleic acid of claim 10, wherein the nucleic acid sequence encodes the polypeptide sequence of SEQ ID NO: 5.

123. (Previously presented) The isolated nucleic acid of claim 10, wherein the nucleic acid has at least 95% sequence identity with SEQ ID NO: 4.

124. (Previously presented) The isolated nucleic acid of claim 10, wherein the nucleic acid has at least 80% sequence identity with SEQ ID NO: 4.

125. (Previously presented) The isolated nucleic acid of claim 10, wherein the nucleic acid hybridizes under conditions of 5X SSC, 50% formamide and 42° C to the nucleic acid sequence of SEQ ID NO: 4.